Department of Life Science and Kinesiology

<table>
<thead>
<tr>
<th>Metric</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Progress on Relevant Objectives Adj. (A)</td>
<td>n.r</td>
<td>n.r</td>
<td>3.95</td>
</tr>
<tr>
<td>Overall Ratings Excellent Teacher Adj. (B)</td>
<td>n.r</td>
<td>n.r</td>
<td>4.33</td>
</tr>
<tr>
<td>Overall Ratings Excellent Course Adj. (C)</td>
<td>n.r</td>
<td>n.r</td>
<td>4.14</td>
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<tr>
<td>Average of B and C Adj.</td>
<td>n.r</td>
<td>n.r</td>
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<tr>
<td>Summary Evaluation (Average of A and D) Adj.</td>
<td>n.r</td>
<td>n.r</td>
<td>4.09</td>
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**Biology Major Portfolio Results by Learning Objective: (scale out of 100)**

1. Apply information and computer technology to obtain, manipulate, and communicate scientific and mathematical information. 61.1
2. Interpret technical articles in professional academic journals. 88.8
3. Apply algebraic, trigonometric, and differential terms and functions. 100
4. Interpret statistics to analyze data sets. 66.6
5. Compose scholarly papers using appropriate professional format. 88.8
6. Apply standard laboratory methods safely and accurately. 61.1
7. Explain the philosophical basis of science and mathematics. 61.1
8. Explain the fundamental principles and concepts in the life sciences, including genetics. 100
9. Assess ethical issues regarding research, technology, publication, intellectual property rights, and human impact on biodiversity. 66.6
10. Describe major events in the history of mathematics and the sciences. 77.7
11. Explain the fundamental principles and concepts in the physical sciences, including physics and organic chemistry. 88.8

**Average of all Learning Objectives**

78.28

**Biomedical Science Major Portfolio Results by Learning Outcome: (out of 100)**

1. Apply information and computer technology to obtain, manipulate, and communicate scientific and mathematical information. 83.3
2. Interpret technical articles in professional and academic journals. 75.2
3. Apply algebraic, trigonometric, and differential terms and functions. 86.1
4. Interpret statistics to analyze data sets. 81.5
5. Compose scholarly papers using appropriate professional format. 88.8
6. Apply standard laboratory methods safely and accurately. 75.9
7. Explain the philosophical basis of science and mathematics. 83.3
8. Explain the fundamental principles in life sciences and physical sciences. 83.3
9. Assess ethical issues within the medical profession regarding research, technology, publication, and intellectual property rights. 83.3
10. Describe major events in the history of mathematics and the sciences. 75

**Average of all Learning Objectives**

80.7

**Exercise Science Major Portfolio Results by Learning Outcome (out of 100)**

2014
1. Demonstrate a fundamental understanding of anatomy and physiology as it relates to human movement. 66.6
2. Demonstrate the application of anatomical and physiological knowledge in the study of human movement to areas related to exercise and physical activity. 66.6
3. Demonstrate the integration of other Natural Science disciplines with the study of human movement. 66.6
4. Demonstrate a fundamental understanding of the philosophical and aesthetic foundations of human movement and the relationship to health and exercise. 55.5
5. Demonstrate a fundamental understanding of psycho-social areas related to exercise and physical activity. 61.1
6. Demonstrate the basic research and statistical competencies in using and interpreting data related to human movement. 66.6

**Average of all Learning Objectives** 63.8

<table>
<thead>
<tr>
<th>Fitness and Health Promotion Major Portfolio Results by Outcome (out of 100)</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Demonstrate a fundamental understanding of anatomy and physiology as it relates to human movement, specifically health and fitness.</td>
<td>52.7</td>
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<tr>
<td>2. Demonstrates the application of anatomical and physiological knowledge in the study of human movement to areas related to health and fitness.</td>
<td>50</td>
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<tr>
<td>3. Demonstrate knowledge of methods to develop and promote appropriate health and fitness programs for a variety of populations.</td>
<td>43</td>
</tr>
<tr>
<td>4. Demonstrate a fundamental understanding of the philosophical and aesthetic foundations of human movement and the relationship to health and fitness.</td>
<td>45</td>
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<tr>
<td>5. Demonstrate a fundamental understanding of psycho-social areas related to health and fitness.</td>
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<tr>
<td>6. Demonstrate the basic research and statistical competencies in using and interpreting data related to human movement.</td>
<td>47.2</td>
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**Average of all Learning Objectives** 47.1